

JPW /

ICH 303-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Beer et al.

Group Art Unit:

Serial No. : 10/561,134

Filed : December 15, 2005

Examiner:

For : OPTICAL AMPLIFYING MATERIALS

Date: January 23, 2006

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir/Madame:

Pursuant to the duty of disclosure set forth in 37 C.F.R. § 1.56 and § 1.97, Applicants request that the art cited in the annexed form PTO-1449 be made of record in the above-identified application. References B, D, G and T were cited in a European Search Report dated November 7, 2003 in connection with the European Patent Application corresponding to the above-identified application. Copies of the European Search Report and cited references (A to V) are enclosed.

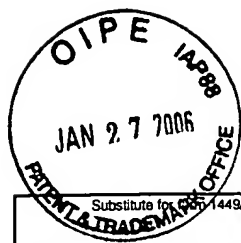
It is noted that the identified application claims priority of European Patent Application Number 03405471.8. filed June 26, 2003.

Respectfully submitted,
Attorney for Applicants

By: 

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/561,134
		Filing Date	December 15, 2005
		First Named Inventor	Beer et al.
		Art Unit	
		Examiner Name	
Sheet 1	of 2	Attorney Docket Number	ICH 303-US

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known)	Date of Publication of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A	US -2003/0039836 A1	02/27/2003	Pfaff et al.	Equivalent to EP 1 218 732 A1
	B	US -2001/0050532 A1	12/13/2001	Eida et al.	
	C	US -6,204,202 B1	03/20/2001	Leung et al.	
	D	US -6,156,419	12/05/2000	Brugger et al.	Equivalent to EP 0 875 394
	E	US -5,055,019	10/08/1991	Meyer et al.	Equivalent to DE 3823895 C1

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No.	Foreign Patent Document Country Code - Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	F	DE 3823895 C1	12/21/1989	Meyer et al.	Equivalent to US 5,055,019
	G	EP 1 281 732 A1	02/05/2003	Pfaff et al.	Equivalent to US -2003/0039836 A1
	H	EP 1 153 739 A1	11/14/2001	Yokogawa et al.	
	I	EP 0 875 394 A1	11/04/1998	Brugger et al.	Equivalent to US 6,156,419
	J	EP 0 849 220 A1	06/24/1998	Sonoda et al.	
	K	EP 0 653 377 A1	05/17/1995	Yokogawa et al.	
	L	EP 0 585 456 A1	3/9/1994	Yokogawa et al.	

Examiner Signature		Date Considered
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Substitute Form 1449/PTA							
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				Examiner Name			
Sheet	2	of	2	Attorney Docket Number		ICH 303-US	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	M	A. KOHLER, J.S. WILSON and R.H. FRIEND, "Fluorescence and Phosphorescence in Organic Materials" Advanced Materials <u>14</u> , 701-706 (2002).
	N	T. TSUTSUI, M. YAHIRO, H. YOKOGAWA, K. KAWANO and M. YOKOYAMA, "Doubling Coupling-Out Efficiency in Organic Light-Emitting Devices using a Thin Silica Aerogel Layer," Advanced Materials <u>13</u> , 1149-1152 (2001).
	O	M.-H. LU, M.S. WEAVER, T.X. ZHOU, M. ROTHMAN, R.C. KWONG, M. HACK and J.J. BROWN, "High Efficiency Top-Emitting Organic Light-Emitting Devices," Applied Physics Letters <u>81</u> , 3921-3923 (2002).
	P	Y. LI, M.K. FUNG, Z. XIE, S.-T. LEE, L.-S. HUNG and J. SHI, "An Efficient Pure Blue Light-Emitting Device with Low Driving Voltages," Advanced Materials <u>14</u> , 1317-1321 (2002)
	Q	M. COLLE, J. GMEINER, W. MILIUS, H. HILLENBRECHT and W. BRUTTING, "Preparation and Characterization of Blue-Luminescent Tris (8-hydroxy quinoline) aluminium (Alq ₃)," Advanced Functional Materials <u>13</u> , 108-112 (2003).
	R	S. BRUNAUER, P.H. EMMETT and E.TELLER, "Adsorption of Gases in Multimolecular Layers," Journal of the American Chemical Society <u>60</u> , 309-319 (1938).
	S	C.XU, Q.XUE, Y.ZHONG, Y.CUI, L. BA, B.ZHAO and N. GU, "Photoluminescent Blue-Shift of Organic Molecules in Nanometre Pores," Nanotechnology <u>13</u> , 47-50 (2002).
	T	Datasheet of AERODISP® W 630
	U	Material Safety Data Sheet of Alq ₃
	V	Material Safety Data Sheet of TRITON® X-100

Examiner Signature		Date Considered	
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